

Duke Energy Carolinas, LLC

Electricity No. 4

South Carolina Third (Proposed) Revised Leaf No. 91
Superseding South Carolina Second Revised Leaf No. 91SCHEDULE PP-LQF (SC)
PURCHASED POWERAVAILABILITY (South Carolina Only)

This Schedule is made available pursuant to Order No. _____ for purchase by Duke Energy Carolinas, LLC ("Company") of electrical energy and capacity supplied by Small Power Producer Qualifying Facilities (as defined by Chapter 41 of Title 58 of the S.C. Code of Laws) with a nameplate capacity rating greater than two (2) megawatts ("Eligible Sellers") and delivered to Company's system upon execution of the standard Power Purchase Agreement – Large QF PPA approved by the Commission ("LQF PPA") by Eligible Seller and Company. The sale, delivery, and use of electric power hereunder, and all services of whatever type to be rendered or performed in connection therewith, shall in all respects be subject to and in accordance with the Company's LQF PPA. Consistent with S.C. Code Ann § 58-41-20(A) and the Public Utility Regulatory Policies Act of 1978, nothing herein restricts an Eligible Seller from entering into a Power Purchase Agreement with the Company with rates, terms and conditions that differ from this Schedule or the LQF PPA.

The Fixed Long-Term Credits offered in this Schedule are available only to Eligible Sellers that establish a legally enforceable obligation to sell and deliver power to Company through (i) negotiation and execution of a mutually-binding LQF PPA (or alternative form of Power Purchase Agreement acceptable to Company, in its sole discretion); or (ii) through Eligible Seller's execution and delivery of a Notice of Commitment Form, as approved by the Commission, which is accepted by Company to be complete and to establish the Eligible Seller's legally enforceable obligation date pursuant to the terms of the Notice of Commitment Form. Prior to an Eligible Seller establishing a legally enforceable obligation, the Long-Term Credits under this Schedule shall be indicative of Company's current avoided cost of energy and capacity but shall not be binding on either Company or the Eligible Seller and shall be subject to adjustment through updates to this Schedule unless and until the Eligible Seller establishes a legally enforceable obligation as set forth herein.

To obtain an LQF PPA or Notice of Commitment Form, an Eligible Seller may contact the Company at:

Duke Energy - Distributed Energy Technologies
400 South Tryon Street
Mail Code: ST 26A
Charlotte, North Carolina 28202
Attn.: Wholesale Renewable Manager
DERContracts@duke-energy.com

Pursuant to Order No. _____, the Company will continue to incorporate the most up-to-date inputs to avoided energy and avoided capacity costs for purposes of calculating avoided cost rates offered under this Schedule consistent with the methodology approved by the Commission and Company's most recent integrated resource plan. The Fixed Long-Term Credits identified in the Rate section of this Schedule shall only be available to Eligible Sellers that establish a legally enforceable obligation on or before the date that the Company submits updated Fixed Long-Term Credits under this Schedule to the Commission,

This Schedule is limited to power delivered to Company by Eligible Sellers under the LQF PPA. If Eligible Seller requires supplemental, back-up, or standby services, Eligible Seller shall enter into a separate service agreement with Company in accordance with Company's applicable electric rates, riders, and Service Regulations on file with and authorized by the state regulatory agency having jurisdiction. Nothing in this Schedule shall be interpreted as providing for interconnection to Company's system; such interconnection service must be contracted for separately pursuant to the South Carolina Generator Interconnection Procedures.

RATE

Company shall pay Eligible Sellers for energy and/or capacity furnished to Company at the Credits set forth below as applicable. Such payments shall be reduced by the Solar Integration Services Charge pursuant to the terms of the LQF PPA.

Solar Integration Services Charge

The Solar Integration Services Charge, and avoidance thereof, is addressed in the LQF PPA.

South Carolina Third (Proposed) Revised Leaf No. 91

Effective date: April 22, 2021

PSCSC Docket No. 2021-89-E, Order No. _____

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 Superseding South Carolina Second Revised Leaf No. 91

**SCHEDULE PP-LQF (SC)
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Solar Integration Services Charge: \$0.00110 per kWh

Energy and Capacity Credits

Eligible Sellers shall be paid based upon the Eligible Seller's interconnection with Company's distribution or transmission system for all energy delivered to Company's system as registered or computed from Company's metering facilities. The Energy and Capacity Credit provided herein is based on a contract term of ten (10) years.

<u>Fixed Long-Term Rate (10 years) Interconnected to Distribution</u>	<u>Fixed Long-Term Rate (10 years) Interconnected to Transmission</u>
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Energy Credits (¢/kWh)¹:

On-peak kWh:

a. Summer	3.20	3.06
b. Winter		
1. Morning Hours	3.90	3.80
2. Evening Hours	3.79	3.69
c. Premium Peak		
1. Summer	3.19	3.08
2. Winter	4.72	4.57
d. Shoulder		
1. Morning/Evening Hours	3.21	3.15
2. Midday Hours	2.76	2.71

Off-peak kWh:

a. Summer	2.31	2.27
b. Winter	3.25	3.18
c. Shoulder	2.33	2.30

Capacity Credits (¢/kWh)²:

On-peak kWh:

a. Summer	2.04	1.98
b. Winter	6.76	6.58

¹ For Energy Credit purposes, Summer months are defined as calendar months June through September, Winter months are defined as calendar months December through February, and Shoulder months are defined as March through May and October through November. Summer on-peak hours shall be Monday through Friday from 12:00 p.m. noon to 4:00 p.m. and 8:00 p.m. to 10:00 p.m. Winter on-peak hours shall be Monday through Friday with morning hours from 5:00 a.m. to 6:00 a.m. and 9:00 a.m. to 10:00 a.m., plus evening hours from 5:00 p.m. to 10:00 p.m. Shoulder on-peak hours shall be Monday through Friday with morning hours from 6:00 a.m. to 10:00 a.m. and evening hours from 4:00 p.m. to 11:00 p.m. Shoulder midday hours shall be Monday through Friday from 10:00 a.m. to 4:00 p.m. Summer premium peak hours shall be Monday through Friday from 4:00 p.m. to 8:00 p.m. Winter premium peak hours shall be Monday through Friday from 6:00 a.m. to 9:00 a.m. There

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are no premium peak hours for Shoulder months. All other hours, plus the following holidays, shall be off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day.

- ² Capacity Credit shall only be applicable in Summer months defined as the calendar months of July and August and Winter months defined as calendar months of December through March. Summer on-peak hours shall be 5:00 p.m. to 9:00 p.m. during all Summer days. During Winter months, the on-peak hours shall be all Winter days from 5:00 a.m. to 10:00 a.m. Capacity credits are not applicable in all other months.

RENEWABLE ENERGY CREDITS

The sale of power under this Schedule does not convey to Company the right to renewable energy credits (RECs) or green tags associated with the energy delivered.

POWER FACTOR CORRECTION

For distribution-connected Eligible Sellers, unless the Eligible Seller is required by an Operating Agreement to adjust VAR production to support voltage control, when the Eligible Seller consumes VARs supplied by Company or the Eligible Seller delivers VARs to Company, Company may reduce the purchased energy measured in kilowatt-hours for that month by multiplying by the Average Consumed Power Factor. The Average Consumed Power Factor shall be calculated on a monthly basis as the average kWh divided the average kVAh, where average kVAh shall be the square root of the sum of the average kWh squared plus the average consumed and delivered kVARh squared.

Duke Energy Carolinas, LLC

DEC Exhibit 5 (Redline)

Electricity No. 4

South Carolina ~~Second~~Third (Proposed) Revised Leaf No. 91Superseding South Carolina ~~First~~Second Revised Leaf No. 91

SCHEDULE PP-LQF (SC) PURCHASED POWER

AVAILABILITY (South Carolina Only)

This Schedule is made available pursuant to Order No. 2020-315(A) for purchase by Duke Energy Carolinas, LLC ("Company") of electrical energy and capacity supplied by Small Power Producer Qualifying Facilities (as defined by Chapter 41 of Title 58 of the S.C. Code of Laws) with a nameplate capacity rating greater than two (2) megawatts ("Eligible Sellers") and delivered to Company's system upon execution of the standard Power Purchase Agreement – Large QF PPA approved by the Commission ("LQF PPA") by Eligible Seller and Company. The sale, delivery, and use of electric power hereunder, and all services of whatever type to be rendered or performed in connection therewith, shall in all respects be subject to and in accordance with the Company's LQF PPA. Consistent with S.C. Code Ann § 58-41-20(A) and the Public Utility Regulatory Policies Act of 1978, nothing herein restricts an Eligible Seller from entering into a Power Purchase Agreement with the Company with rates, terms and conditions that differ from this Schedule or the LQF PPA.

The Fixed Long-Term Credits offered in this Schedule are available only to Eligible Sellers that establish a legally enforceable obligation to sell and deliver power to Company through (i) negotiation and execution of a mutually-binding LQF PPA (or alternative form of Power Purchase Agreement acceptable to Company, in its sole discretion); or (ii) through Eligible Seller's execution and delivery of a Notice of Commitment Form, as approved by the Commission, which is accepted by Company to be complete and to establish the Eligible Seller's legally enforceable obligation date pursuant to the terms of the Notice of Commitment Form. Prior to an Eligible Seller establishing a legally enforceable obligation, the Long-Term Credits under this Schedule shall be indicative of Company's current avoided cost of energy and capacity but shall not be binding on either Company or the Eligible Seller and shall be subject to adjustment through updates to this Schedule unless and until the Eligible Seller establishes a legally enforceable obligation as set forth herein.

To obtain an LQF PPA or Notice of Commitment Form, an Eligible Seller may contact the Company at:

Duke Energy - Distributed Energy Technologies
400 South Tryon Street
Mail Code: ST 26A
Charlotte, North Carolina 28202
Attn.: Wholesale Renewable Manager
DERContracts@duke-energy.com

Pursuant to Order No. 2020-315(A), the Company will continue to incorporate the most up-to-date inputs to avoided energy and avoided capacity costs for purposes of calculating avoided cost rates offered under this Schedule consistent with the methodology approved by the Commission and Company's most recent integrated resource plan. The Fixed Long-Term Credits identified in the Rate section of this Schedule shall only be available to Eligible Sellers that establish a legally enforceable obligation on or before the date that the Company submits updated Fixed Long-Term Credits under this Schedule to the Commission,

This Schedule is limited to power delivered to Company by Eligible Sellers under the LQF PPA. If Eligible Seller requires supplemental, back-up, or standby services, Eligible Seller shall enter into a separate service agreement with Company in accordance with Company's applicable electric rates, riders, and Service Regulations on file with and authorized by the state regulatory agency having jurisdiction. Nothing in this Schedule shall be interpreted as providing for interconnection to Company's system; such interconnection service must be contracted for separately pursuant to the South Carolina Generator Interconnection Procedures.

RATE

Company shall pay Eligible Sellers for energy and/or capacity furnished to Company at the Credits set forth below as applicable. Such payments shall be reduced by the Solar Integration Services Charge pursuant to the terms of the LQF PPA.

Solar Integration Services Charge

South Carolina ~~Second~~Third (Proposed) Revised Leaf No. 91

Effective date: ~~February 1~~April 22, 2021

PSCSC Docket No. ~~2019-185-E~~2021-89-E, Order No. 2020-315(A)

**SCHEDULE PP-LQF (SC)
PURCHASED POWER**

The Solar Integration Services Charge, and avoidance thereof, is addressed in the LQF PPA.

Solar Integration Services Charge: \$0.00110 per kWh

Energy and Capacity Credits

Eligible Sellers shall be paid based upon the Eligible Seller's interconnection with Company's distribution or transmission system for all energy delivered to Company's system as registered or computed from Company's metering facilities. The Energy and Capacity Credit provided herein is based on a contract term of ten (10) years.

<u>Fixed Long-Term Rate (10 years)</u>	<u>Fixed Long-Term Rate (10 years)</u>
<u>Interconnected to Distribution</u>	<u>Interconnected to Transmission</u>

Energy Credits (¢/kWh)¹:

On-peak kWh:

a. Summer	<u>3.20</u>	<u>3.06</u>
1. Morning Hours	<u>2.35</u>	<u>2.30</u>
2. Afternoon/Evening Hours	<u>3.36</u>	<u>3.24</u>
b. Winter		
1. Morning Hours	<u>3.173.90</u>	<u>3.093.80</u>
2. Evening Hours	<u>3.673.79</u>	<u>3.573.69</u>
c. Premium Peak		
1. Summer	<u>3.423.19</u>	<u>3.293.08</u>
2. Winter	<u>4.934.72</u>	<u>4.774.57</u>
d. Shoulder		
1. Morning/Evening Hours	<u>2.253.21</u>	<u>2.213.15</u>
2. Midday Hours	<u>1.832.76</u>	<u>1.792.71</u>

Off-peak kWh:

a. Summer	<u>2.812.31</u>	<u>2.762.27</u>
b. Winter	<u>3.293.25</u>	<u>3.233.18</u>
c. Shoulder	<u>3.152.33</u>	<u>3.112.30</u>

Capacity Credits (¢/kWh)²:

On-peak kWh:

a. Summer	<u>5.312.04</u>	<u>5.161.98</u>
b. Winter	<u>6.76</u>	<u>6.58</u>
1. Morning Hours	<u>6.34</u>	<u>6.17</u>
2. Evening Hours	<u>2.11</u>	<u>2.06</u>

¹ For Energy Credit purposes, Summer months are defined as calendar months June through September, Winter months are defined as calendar months December through February, and Shoulder months are defined as March through May and October

SCHEDULE PP-LQF (SC) PURCHASED POWER

through November. Summer on-peak hours shall be Monday through Friday ~~with morning hours from 7:00 a.m. to 12:00 p.m. noon, plus afternoon/evening hours~~ from 12:00 p.m. noon to 4:00 p.m. and 8:00 p.m. to 10:00 p.m. Winter on-peak hours shall be Monday through Friday with morning hours from 5:00 a.m. to 6:00 a.m. and 9:00 a.m. to 10:00 a.m., plus evening hours from 5:00 p.m. to 10:00 p.m. Shoulder on-peak hours shall be Monday through Friday with morning hours from 6:00 a.m. to 10:00 a.m. and evening hours from 4:00 p.m. to 11:00 p.m. Shoulder midday hours shall be Monday through Friday from 10:00 a.m. to 4:00 p.m. Summer premium peak hours shall be Monday through Friday from 4:00 p.m. to 8:00 p.m. Winter premium peak hours shall be Monday through Friday from 6:00 a.m. to 9:00 a.m. There are no premium peak hours for Shoulder months. All other hours, plus the following holidays, shall be off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day.

- ² Capacity Credit shall only be applicable in Summer months defined as the calendar months of July and August and Winter months defined as calendar months of December through March. Summer on-peak hours shall be ~~45:00~~ p.m. to ~~89:00~~ p.m. during all Summer days. During Winter months, the ~~morning~~ on-peak hours shall be all Winter days from ~~65:00~~ a.m. to ~~910:00~~ a.m. ~~and evening on-peak hours shall be all Winter days from 6:00 p.m. to 9:00 p.m.~~ Capacity credits are not applicable in all other months.

RENEWABLE ENERGY CREDITS

The sale of power under this Schedule does not convey to Company the right to renewable energy credits (RECs) or green tags associated with the energy delivered.

POWER FACTOR CORRECTION

For distribution-connected Eligible Sellers, unless the Eligible Seller is required by an Operating Agreement to adjust VAR production to support voltage control, when the Eligible Seller consumes VARs supplied by Company or the Eligible Seller delivers VARs to Company, Company may reduce the purchased energy measured in kilowatt-hours for that month by multiplying by the Average Consumed Power Factor. The Average Consumed Power Factor shall be ~~the~~ calculated on a monthly basis as the average kWh divided the average kVAh, where average kVAh shall be the square root of the sum of the average kWh squared plus the average consumed and delivered kVARh squared.